

IN THE CLAIMS

1-35 (canceled)

36. (currently amended) A replication-competent The adenovirus vector for selective cytolysis of a target cell, of claim 33 comprising a first and a second adenovirus gene essential for replication, wherein said first adenovirus gene is under transcriptional control of a carcinoembryonic antigen transcription regulatory element (CEA-TRE) and said second adenovirus gene is under transcriptional control of a cell-specific, tissue-specific or cancer-specific heterologous transcriptional regulatory element (TRE), and wherein said CEA-TRE comprises a promoter that comprises a polynucleotide sequence within about -402 to about +69 nucleotides relative to the transcriptional start site of the CEA gene and a CEA enhancer and a polynucleotide sequence including nucleotides from about -14.5 to about -3.8 kilobases or from about -6.1 to about -3.8 kilobases relative to the transcriptional start site of the CEA gene.

37-42. (canceled)

43. (previously presented) The adenovirus vector of Claim 36 wherein said CEA enhancer comprises a polynucleotide sequence from about -6.1 to about -3.8 kilobases relative to the transcriptional start site of the CEA gene.

44. (previously presented) The adenovirus vector of Claim 36 wherein said CEA enhancer comprises a polynucleotide sequence from about -14.5 to about -3.8 kilobases relative to the transcriptional start site of the CEA gene.

45. (previously presented) The adenovirus vector of Claim 36 wherein said CEA promoter comprises the nucleotide sequence as shown in SEQ ID NO:1.

46. (previously presented) The adenovirus vector of Claim 36 wherein said CEA enhancer comprises a polynucleotide sequence within the region from about -13.6 to about -10.6 kilobases relative to the transcriptional start site of the CEA gene.

47. (previously presented) The adenovirus vector of Claim 36 wherein said CEA enhancer comprises a polynucleotide sequence from about -14.5 to about -10.6 kilobases relative to the

transcriptional start site of the CEA gene.

48. (previously presented) The adenovirus vector of Claim 36 wherein said CEA promoter is a sequence having at least 85% sequence identity to nucleotides -402 to +69 as depicted in SEQ ID NO:1, wherein said promoter component retains the ability to increase transcription of an operably linked polynucleotide.

49. (previously presented) The adenovirus vector of Claim 36 wherein said CEA promoter is a sequence having at least 90% sequence identity to nucleotides -402 to +69 as depicted in SEQ ID NO:1, wherein said promoter component retains the ability to increase transcription of an operably linked polynucleotide.

50. (previously presented) The adenovirus vector of Claim 36 wherein said CEA promoter is a sequence having at least 95% sequence identity to nucleotides -402 to +69 as depicted in SEQ ID NO:1, wherein said promoter component retains the ability to increase transcription of an operably linked polynucleotide.